

INTRODUCTORY NOTE FOR PARENTS/CARERS

Within this booklet, you will find examples of the type of questions that may appear in the Stage 2 Entrance Test.

It is important to note that these questions should only be used as a guide to the type of questions that may arise both in the English and Mathematics Test.

The School holds the right to change the format of the questions to ensure we are correctly assessing what candidates are capable of without any special preparation.

St Olave's Stage 2 English Test for Year 7 Entry

Introduction and Sample Question Paper

The first and most important thing to understand about our Entrance Test in English is that there really isn't anything that can be done to 'cram' or 'revise' for it. The things it tests are, on the whole, skills and habits rather than factual knowledge - things, in other words, which a child picks up over a period of years rather than weeks. And this is quite deliberate. We want to see what candidates are capable of without any special preparation.

What we don't want, however, is for good candidates to come unstuck simply because they got lost in all the instructions or panicked at the sheer unfamiliarity of the tasks. Hence this sample paper, which has a similar, not exactly the same format to the real thing. Your son will almost certainly find it useful to work through these 'taster' questions. This will familiarise him with the procedure, and thus, with any luck, reduce the anxiety and confusion - thereby making it easier for him to do himself justice on the day.

Section One tests **Reading**: assessing candidates by multiple choice questions, based on fiction or non-fiction passages and some questions on basic grammar. **Section Two** tests **Reading and Writing: Part (a)** requires candidates to explain and justify inferences with evidence from a text, such as a poem. **Part (b)** assesses the ability to write choosing a form and content appropriate to the task; use syntax and paragraphing to shape meaning; use punctuation correctly and expressively; use vocabulary creatively; spell accurately; use handwriting, layout and presentation effectively.

One thing worth getting used to is the fact that the test involves different booklets:

1. **Section One**: candidates circle their answers to the multiple-choice questions posed about the passage;
2. **Section Two** will be in two parts: candidates will use a separate answer booklet to that used in Section One.

Finally, a word about timing. The test lasts one hour. The marks are allocated equally between Section One, Section Two, Part (a) and Section Two, Part (b). Candidates are advised to spend about the same amount of time on each task and to make sure they read the questions and texts thoroughly before answering. They should also carefully check and correct their writing before the end of the test.

Good luck!

SAMPLE QUESTION for Section One

Meantime, the Rat, warm and comfortable, dozed by the fireside. His book slipped from his knee, his head fell back, his mouth opened, and he wandered by the green banks of dream rivers. Then a coal slipped, the fire crackled and sent up a spurt of flame, and he woke with a start. Remembering what he had been engaged upon, he reached down to
5 the floor for his book, pored over it for a minute, and then looked round for the Mole to ask him something or other.

But the Mole was not there.

He listened for a time. The house seemed very quiet.

10 Then he called 'Moly!' several times, and, receiving no answer, went out into the hall. The Mole's cap was missing from its accustomed peg. His galoshes, which always lay by the umbrella-stand, were also gone.

The Rat left the house and carefully examined the muddy surface of the ground outside, hoping to find the Mole's tracks. There they were, sure enough. The galoshes were new, just bought for the winter, and the pimples on their soles were fresh and sharp. He could
15 see the imprints of them in the mud, running along straight and purposeful, leading direct to the Wild Wood.

The Rat looked very grave, and stood deep in thought for a minute or two. Then he re-entered the house, strapped a belt round his waist, shoved a brace of pistols into it, took up a stout cudgel that stood in a corner of the hall, and set off for the Wild Wood at a
20 smart pace.

It was already getting towards dusk when he reached the first fringe of trees and plunged without hesitation into the wood, looking anxiously on either side for any sign of his friend. Here and there wicked little faces popped out of holes, but vanished immediately at the sight of the valiant animal, his pistols, and the great ugly cudgel in his grasp; and
25 the whistling and pattering, which he had heard quite plainly on his first entry, died away and ceased, and all was very still. He made his way manfully through the length of the wood to its furthest edge; then, forsaking all paths, he set himself to traverse it, laboriously working over the whole ground, and all the time calling out cheerfully, 'Moly, Moly, Moly! Where are you? It's me – it's old Rat!'

30 He had patiently hunted through the wood for an hour or more, when at last to his joy he heard a little answering cry. Guiding himself by the sound, he made his way through the gathering darkness to the foot of an old beech tree with a hole in it, and from out of the hole came a feeble voice, saying, 'Ratty! Is that really you?'

[From 'The Wind in the Willows', by Kenneth Grahame]

ANSWER BOOKLET for Section One

Part (a) is based on the comprehension passage which you will find on page 3.

Read the passage carefully, and then answer the questions below by circling the right letter for each one. Each question has only one right answer. You may look back at the passage as often as you like. You may also work in rough on this paper, or on the Question Paper, if it helps.

1. Rat woke up when:
 - A. morning came
 - B. his book fell to the floor
 - C. his head jerked sharply backwards
 - D. he found himself sleep-walking on the river bank
 - E. the fire erupted into sudden activity

2. Rat suspected that Mole had left the house, because:
 - A. Mole didn't answer when Rat asked him a question
 - B. the door was wide open
 - C. Mole's cap was not in its usual place
 - D. Mole's umbrella had disappeared
 - E. Rat heard footsteps running towards the Wild Wood

3. The galoshes [Line 13 etc.] were all of the following **EXCEPT**:
 - A. recently-acquired
 - B. scarcely-used
 - C. distinctly-marked
 - D. smooth-soled
 - E. seasonally-appropriate

4. The word "grave" [Line 17] could most accurately be replaced by:
 - A. "tomb"
 - B. "concerned"
 - C. "uncertain"
 - D. "hard"
 - E. "sad"

5. The “faces” [Line 23] vanished back into their holes because:
- A. Rat had caught sight of them
 - B. they felt safe again once they had seen Rat
 - C. they quickly lost interest
 - D. they realised that Rat was a dangerous opponent
 - E. the whistling and pattering noises had now stopped
6. The word “forsaking” [Line 27] could most accurately be replaced by:
- A. “checking”
 - B. “following”
 - C. “abandoning”
 - D. “covering”
 - E. “inspecting”
7. Rat called out “cheerfully” [Line 29] because:
- A. he was delighted to see Mole
 - B. he knew that the Wild Wood held no real danger
 - C. he was enjoying the game of hide-and-seek
 - D. he had no doubt that Mole would shortly turn up
 - E. he wished to reassure his friend
8. The shortness of the two sentences on **Line 8** is effective because it gives us a feeling of Rat’s:
- A. concentration
 - B. panic
 - C. eagerness
 - D. annoyance
 - E. haste
9. Which of the following would be the most appropriate title for the whole passage?
- A. ‘A Thrilling Adventure’?
 - B. ‘A Loyal Friend’?
 - C. ‘A Woodland Riddle’?
 - D. ‘An Unplanned Hike’?
 - E. ‘A Desperate Chase’?

[Answers are provided at the end of this booklet.]

SAMPLE QUESTION for Section Two - Part (A)

How to Cut a Pomegranate

Never,' said my father,
'Never cut a pomegranate
through the heart. It will weep blood.
Treat it delicately, with respect.

Just slit the upper skin across four quarters.
This is a magic fruit,
so when you split it open, be prepared
for the jewels of the world to tumble out,
more precious than garnets,
more lustrous than rubies,
lit as if from inside.
Each jewel contains a living seed.
Separate one crystal.
Hold it up to catch the light.
Inside is a whole universe.
No common jewel can give you this.'

Afterwards, I tried to make necklaces
of pomegranate seeds.
The juice spurted out, bright crimson,
and stained my fingers, then my mouth.

I didn't mind. The juice tasted of gardens
I had never seen, voluptuous
with myrtle, lemon, jasmine,
and alive with parrots' wings.

The pomegranate reminded me
that somewhere I had another home.

by Imtiaz Dharker

Read the poem on page 6 carefully at least twice.

1. Write a paragraph about why the pomegranate is special to the poet.

(You are advised to write one paragraph but no more than half a side of A4 for your answer.)

2. Explain carefully what you understand by the following quotations.

(a) "Inside is a whole universe."

(b) "and alive with parrots' wings."

(You are advised to write one paragraph but no more than a quarter of a side of A4 for your answer.)

A separate answer booklet will be given for this question in the actual test.

SAMPLE QUESTION for Section Two (Part B)

WRITING – WHERE WOULD YOU LIKE TO GO?

Your school has asked for ideas as to where Year 6 should go for their school journey. Write a letter to your Head Teacher, giving your suggestions. You should include:

- A description of the sort of place you would like to stay.
- An explanation of the activities you would enjoy.
- A discussion of why Year 6 should go on a journey and how you would benefit from it.
- Any further ideas of your own.

You can plan your work in any way that you find helpful (spidergram/brainstorm/bullet points) before you start writing.

Remember to check and correct your work before the end of the test.

(You are advised to write in pen at least two paragraphs but no more than one side of A4 for your answer.)

A separate answer booklet will be given for this question in the actual test.

St Olave's Stage 2 Mathematics Test for Year 7 Entry

Syllabus and Sample Questions

The Mathematics Test Paper will consist of questions of generally increasing difficulty. The paper will last 1 hour. The basis of the syllabus will be the concepts within the National Curriculum, including Level 4 standard. However, the problems set will often involve manipulation and application of these concepts in what may be unfamiliar and more challenging situations. Such questions seek to test candidates' problem-solving abilities.

Entrance Test Topic Details

	Topics
Number	<ul style="list-style-type: none"> * Addition and subtraction of whole numbers and decimals. * Multiplication and division of whole numbers and decimals by whole numbers. * Calculations involving money, time, metric length and mass. * Fractions and percentage calculations.
Algebra	<ul style="list-style-type: none"> * Types of number: primes, factors, multiples, squares. * Numerical patterns and sequences. * Algebra including formulae in words and finding unknown values by logical deduction. * Co-ordinates.
Shape, Space And Measure	<ul style="list-style-type: none"> * Use of 2-D nets to make 3-D objects, e.g. cube. * Congruence, line and rotational symmetry. * Reading scales and selection of appropriate units. * Perimeter and area. * Volumes.
Handling Data	<ul style="list-style-type: none"> * Construct and use simple frequency tables for discrete data. * Represent and understand data represented using frequency diagrams and line graphs. * Mode and median of discrete data. * Simple concepts of probability.

Sample Question Paper

Within this booklet is a sample paper of about the length of a full paper (i.e. around 60 minutes). Answers are provided at the end of this booklet. The following instructions are the same as those for the actual test paper.

- Write in pencil.
- No calculators are allowed.
- Work through the paper carefully without rushing.
- Show your workings in the space provided with each question.
- If you cannot do a question go on to the next one.

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1. The table below gives the number of people visiting a country park in a three month period.

Month	January	February	March
Number of people	1878	2136	3227

- (a) Find the total number of people visiting the country park in the three month period.

Answer: _____ people

- (b) In April there were 379 fewer visitors than in March.
How many people visited the country park in April?

Answer : _____ people

-
2. What decimal number is 0.027 less than 2?

Answer: _____ people

-
3. Write, in figures, ten thousand and twenty-eight.

Answer: _____

-
4. (a) Calculate 382×9 .

Answer: _____

- (b) **Hence** find the value of 382×18
[You must show how you have used your answer to part (a) to answer part (b)]

Answer : _____

5. Alex has been alive 7056 days. How many **fortnights** is this?

Answer: _____ fortnights

6. Arrange these numbers in **increasing order** of size

$\frac{1}{4}$ 0.205 0.025 $\frac{2}{5}$ 0.04

Smallest

Largest

Answer : _____

7. How much more is three quarters of £14 than two fifths of £17?

Answer: £ _____

8. A rectangle has an area of 64 square centimetres (cm^2).
It is four times as long as it is wide. Find the perimeter of the rectangle.

Answer: _____

9. A film on TV started at 8.49 pm and lasted for $2\frac{1}{4}$ hours. At what time did the film end?

Answer: _____

10. Samir has a quarter of a cake to share with two of his friends. What fraction of the whole cake does each of the three boys get?

Answer: _____

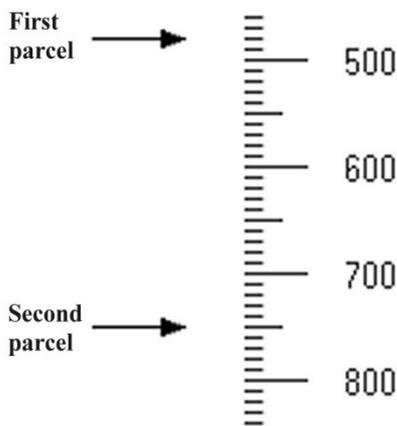
11. Two children are now aged 9 years 8 months and 5 years 11 months. What will be the total of their ages in 10 months from now?

Answer: _____ years _____ months

12. Complete the missing 8 boxes in the following table.
Put 'Yes' or 'No' on the top row and put numbers on the second row.

Letter	N	Y	L	X	S
Does this letter have rotational symmetry?	Yes				
How many lines of symmetry does this letter have?		1			

- 13.



Two parcels are weighed one at a time. The arrows show their masses in grams.

- (a) Write down the masses of the parcels.

Answers: _____ g

_____ g

- (b) What is the **difference** in the masses of the two parcels in **kilograms**?

Answer: _____ kg

14. (i) Grace scored 30 out of 40 in a history test and 18 out of 25 in a geography test.
In which test did she achieve the higher percentage? **You must show your workings.**

Answer : Grace achieved the higher percentage in _____

- (ii) Exactly 85% of pupils in Year 6 at Evensham School have school dinners.
Which of the following list could be the number of pupils in Year 6 at Evensham School?
Circle the two possible numbers.

20 25 30 35 40

14. (iii) The table below gives the percentages of students achieving the four possible grades in an examination.

Grade	A	B	C	D
Percentage (%)	35	20		

If the percentage of students achieving grade C is double the percentage achieving grade D, fill in the two missing numbers in the table.

-
15. Write down a set of seven positive whole numbers with a median of 3 and a mode of 2.

Answer : _____

-
16. The following table gives the numbers of different coloured discs in a bag.

Colour	Red	Green	Blue	Yellow
Number of discs	5	10	15	20

Dennis picks a disc at random from the bag. For each of the events A to C below, choose one of the following words to describe its probability.

Impossible	Unlikely	Evens	Likely	Certain
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Event A : The disc is green or blue.

Answer : _____

Event B : The disc is not blue.

Answer : _____

Event C : The disc is not white.

Answer : _____

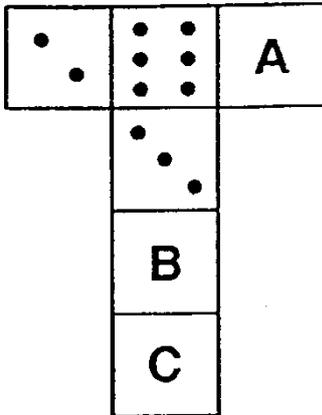
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17. The 10 street lamps along one side of a straight piece of road are 80 metres apart. What is the distance between the first lamp and the last one?

Answer: _____m

-
18. The full time score for a football match between team A and team B was a 2 – 2 draw. How many different possible half time scores were there?

Answer : _____ possible half time scores

19. Peter is making dice. The diagram below shows the net of one of them. When the edges of the net are stuck together, the number of dots on opposite faces adds up to seven.



Write down the number of dots there should be on the faces marked A, B and C.

Answer A: _____

Answer B: _____

Answer C: _____

-
20. A new office block is going to be 20 storeys high and all the storeys will be of the same height. So far 8 storeys have been built and they reach a height of 36 metres.

(a) What fraction, in its simplest form, of the block has been built?

Answer: _____

(b) What will be the block's total height?

Answer: _____ m

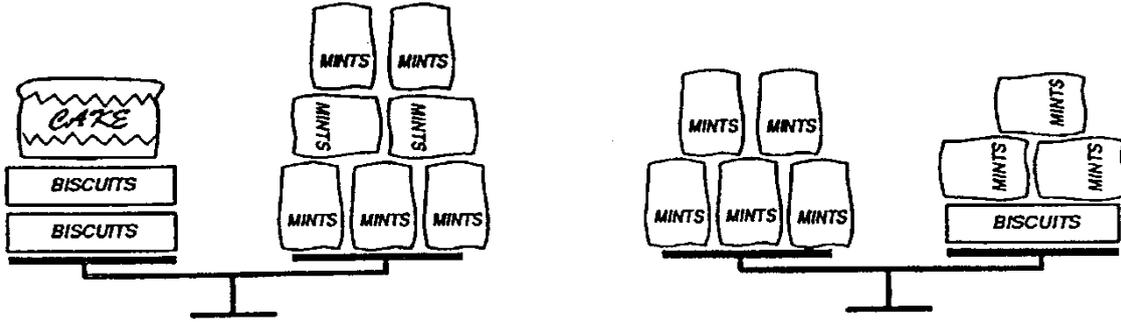
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21. A shopkeeper wishes to write the words

WINTER SALE

on the inside of his shop window so that people outside the shop can read it.

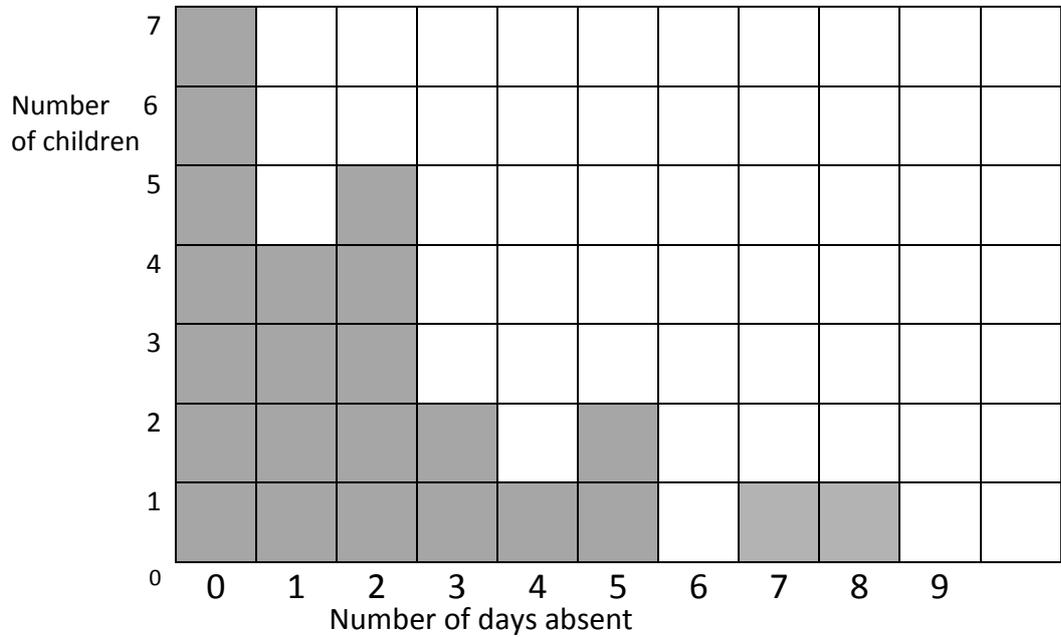
What should he write? Put your answer in the space below.

22. If each bag of mints weighs 250 g, how heavy is the cake?



Answer: _____

23. The number of days that children in a certain class were absent during January are represented in the frequency diagram below :



(a) What is the modal number of days absent?

Answer : _____ days

(b) How many children were absent for at least one day in January?

Answer : _____ children

(c) What was the total number of days of absence for children in the class?

Show your workings.

Answer : _____ days

24. Ben plants a seed and an unusual plant starts to grow. Every morning Ben finds that the plant is one and a third times as tall as it was the morning before. On Tuesday morning the plant is 18 cm tall.

(a) How tall will the plant be on Thursday morning?

Answer: _____ cm

(b) How tall was the plant on Monday morning?

Answer: _____ cm

25. Two trains are running, on separate tracks, round a model railway layout. One completes a circuit every 40 seconds and the other every 55 seconds. The trains start together at the station. How long, in minutes and seconds, will it be before they are at the station together again?

Answer: _____ minutes _____ seconds

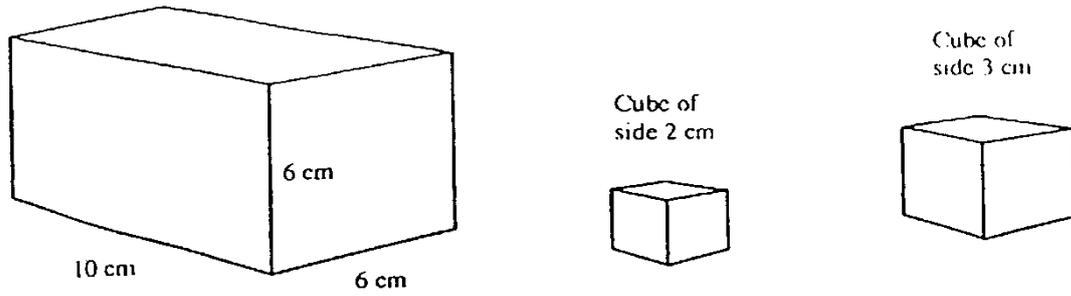
26. Write down the next number in each of the following sequences :

(a) 8 11 16 23 _____

(b) 1200 600 200 50 _____

(c) 2 5 11 23 _____

27. This is a picture of an open-topped box and two cubes.



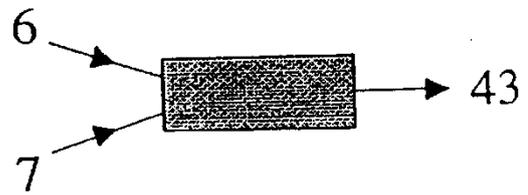
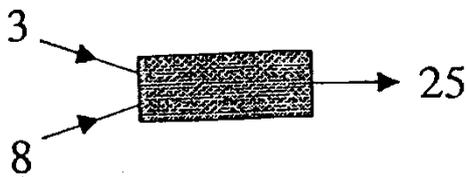
(a) How many cubes of side 2 cm will fit inside the box?

Answer: _____

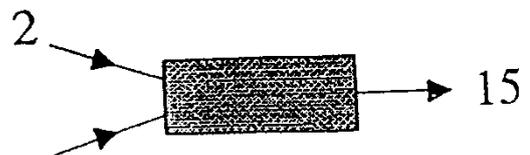
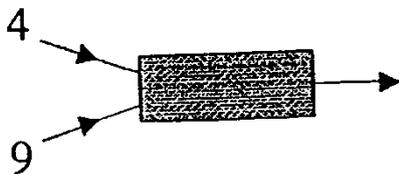
(b) How many cubes of side 3 cm will fit inside the box?

Answer: _____

28. Raj has designed a number machine. Two numbers go in and an answer comes out. Two examples of what the machine does are given below

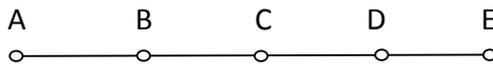


Fill in the missing numbers in the diagrams below.



Describe in words what the number machine does to the two numbers put into it.

29. The diagram shows a rod with five equally spaced points A, B, C, D and E.

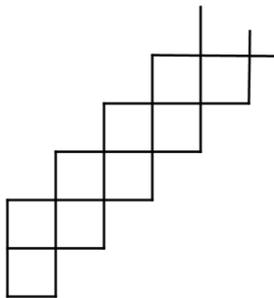


The rod is rotated three times through 180 degrees, first about A, then about B and finally about E. Which point finishes in the same place as it started?

Answer _____

30. A shape is made from 2016 small squares by continuing the pattern shown in the diagram below. Each small square has side length of 1 cm.

What is the length, in cm, of the perimeter of the whole shape?



Answer : _____ cm

[Answers are provided at the end of this booklet.]

ENGLISH SAMPLE PAPER – ANSWERS to Section One – PART (A)

1. E
2. C
3. D
4. B
5. D
6. C
7. E
8. B
9. B

ENGLISH SAMPLE PAPER – ANSWERS to Section 1 – PART (B) and Section 2

There are no model answers for these tasks.

MATHEMATICS SAMPLE PAPER – ANSWERS

1. (a) 7241 (b) 2848
2. 1.973
3. 10028
4. (a) 3438 (b) $3438 \times 2 = 6876$
5. 504
6. 0.025 0.04 0205 $\frac{1}{4}$ $\frac{2}{5}$
7. 3.7
8. 40 cm
9. 11.04 p.m.
10. $\frac{1}{12}$
11. 17 years 3 months
12. (Yes) No No Yes Yes
0 (1) 0 2 0
13. (a) 480 g, 750 g (b) $270 \text{ g} = 0.27 \text{ kg}$
14. (i) $30/40 = 75\%$ $18/25 = 72\%$ History (ii) 20 and 40 (iii) 30 15
15. 1 (or 2) 2 2 3 then three different whole numbers greater than 3
16. A : Evens B : Likely C : Certain
17. 720 metres
18. 9
19. A : 5 B : 1 C : 4
20. (a) $\frac{2}{5}$ (b) 90 m

WINTER SALE

- 21.
22. 750 g
23. (a) 0 days (b) 16 children (c) 49 days
24. (a) 32 cm (b) 13.5 cm
25. 440 seconds = 7 minutes 20 seconds
26. (a) 32 (b) 10 (c) 47
27. (a) 45 (b) 12 (without cutting them up!)
28. Missing numbers : 37 and 7 Multiply the two numbers and then add one.
29. D
30. 4034 cm