11 Plus for Parents

11 Plus Mathematics - Practice Taster

Question 1

In the number **7,251** - The '5' is worth 50

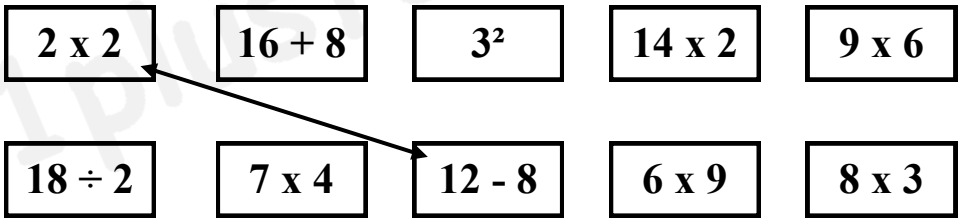
What is the value of the number 1?

What is the value of the number 7?

What is the value of the number 2?

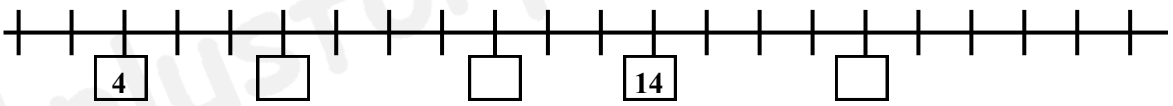
Question 2

Draw lines between the boxes to match the values



Question 3

On the number line below. Fill in the empty boxes.



Question 4

Which of the following numbers are prime numbers? (There are 3)

4 , 5 , 6 , 7 , 8 , 9 , 10 , 11 , 12

Question 5

Complete the sequences by filling in the missing numbers.

1, 3, __, 7, 9, __, 13

3, 6, 9, __, 15, __, 21

Total marks for this page _____ (maximum 17)

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Question 6

Use these digits to complete each calculation - 1, 2, 6 or 8

$2 + \square = \square$

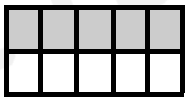
$\square - \square = 2$

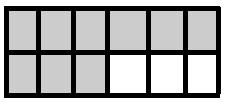
$12 \div \square = \square$

Question 7

What fraction of each shape is shaded? Show answer in simplest form.







Question 8

Circle the two fractions that are equivalent.

$\frac{3}{5}$ $\frac{3}{12}$ $\frac{6}{12}$ $\frac{3}{8}$ $\frac{2}{8}$ $\frac{3}{9}$

Circle the equivalent decimal 0.25 0.4 0.75 0.2 0.3 0.5 0.6

Question 9

What is the value of the Roman number? **XIV**

Question 10

What is 10% of 100 ?
What is 10% of 200 ?
What is 50% of 34 ?
What is 75% of 80 ?

Total marks for this page _____ (maximum 16)

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Question 11

John has £5 to buy 3 cans of drink.
Drinks cost £1.20 each.
How much does he spend?
How much change will he get?
Show your method.

Question 12

Use the following set of numbers to calculate the Mean, Mode, Median and Range.

3, 4, 2, 1, 7, 2, 9

Mean =

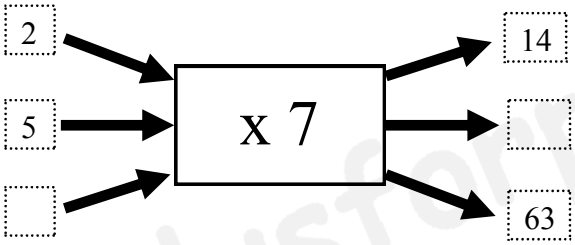
Mode =

Median =

Range =

Question 13

Fill in the two missing numbers to complete this Function Machine



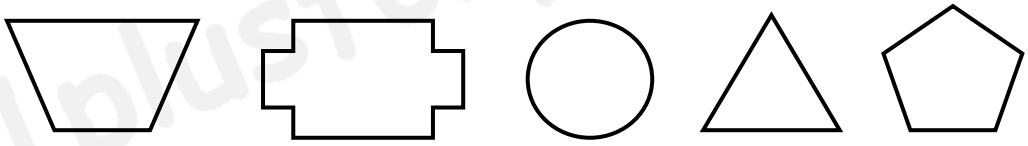
Question 14

What Order of Rotational Symmetry does this shape have?



Question 15

Which shape has 2 lines of symmetry?



Total marks for this page _____ (maximum 11)

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Question 16

What is 19 + 18?
What is 52 - 14?
What is 117 + 203?
What is 425 - 137?

Question 17

If a = 2, b = 3, c = 4, and d = 5 find the value of the following

a + b + c + d =

ab =

2a + 3c =

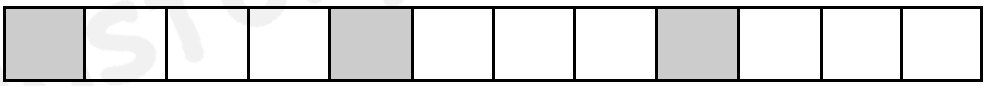
$d^2 - c^2$ =

Question 18

Change these mixed numbers into decimal numbers. (1½ = 1.5)

2¼ =
5¾ =
11½ =

Question 19



What is the proportion of shaded squares?
What is the proportion of white squares?
What is the ratio of shaded squares to white squares?

Question 20

What is the value of each letter?

10 + a = 17 ..... a =

b - 15 = 8 ..... b =

Total marks for this page _____ (maximum 16)

Total marks for all pages _____ (out of 60)

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Question 1

In the number **7,251** - The '5' is worth 50

What is the value of the number 1? 1

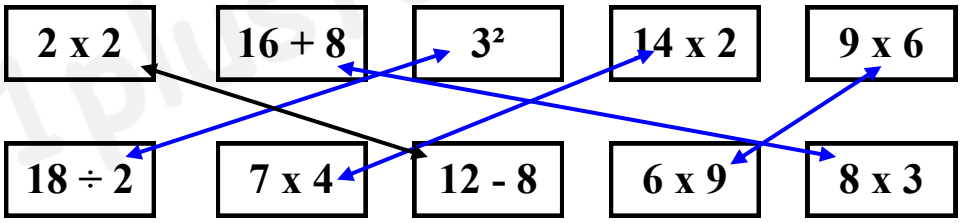
What is the value of the number 7? 7,000

What is the value of the number 2? 200

1 mark
1 mark
1 mark

Question 2

Draw lines between the boxes to match the values

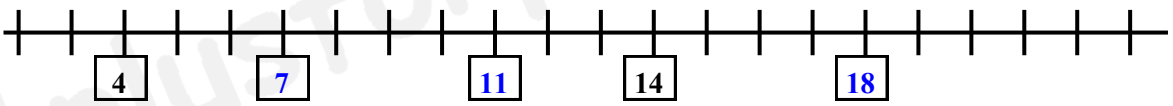


1 mark for each correct answer

Question 3

On the number line below. Fill in the empty boxes.

1 mark for each correct



Question 4

Which of the following numbers are prime numbers? (There are 3)

4 , 5 , 6 , 7 , 8 , 9 , 10 , 11 , 12

1 mark for each correct

Question 5

Complete the sequences by filling in the missing numbers.

1, 3, 5, 7, 9, 11, 13

3, 6, 9, 12, 15, 18, 21

1 mark for each correct

Total marks for this page _____ (maximum 17)

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Question 6

Use these digits to complete each calculation - 1, 2, 6 or 8

$2 + \square = \square$ — $2 + 6 = 8$ — 1 mark

$\square - \square = 2$ — $8 - 6 = 2$ — 1 mark

$12 \div \square = \square$ — $12 \div 6 = 2$ or $12 \div 2 = 6$ — 1 mark

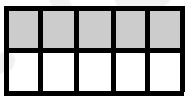
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Question 7

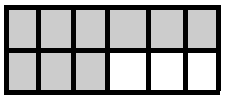
What fraction of each shape is shaded? Show answer in simplest form.



1/4 — 2 marks for 1/4 - 1 mark for 2/8



1/2 — 2 marks for 1/2 - 1 mark for 5/10



3/4 — 2 marks for 3/4 - 1 mark for 9/12

Question 8

Circle the two fractions that are equivalent.

$\frac{3}{5}$ $\frac{3}{12}$ $\frac{6}{12}$ $\frac{3}{8}$ $\frac{2}{8}$ $\frac{3}{9}$ — 1 mark

Circle the equivalent decimal 0.25 0.4 0.75 0.2 0.3 0.5 0.6 — 1 mark

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Question 9

What is the value of the Roman number? **XIV** **14** — 1 mark

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Question 10

What is 10% of 100 ? 10
What is 10% of 200 ? 20
What is 50% of 34 ? 17
What is 75% of 80 ? 60

1 mark for each correct answer

Total marks for this page _____ (maximum 16)

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Question 11

John has £5 to buy 3 cans of drink.
Drinks cost £1.20 each.
How much does he spend? 3 x £1.20p = £3.60
How much change will he get? £5 - £3.60 = £1.40
Show your method.

1 mark for correct answer
1 mark for correct answer
1 mark for logical method

Question 12

Use the following set of numbers to calculate the Mean, Mode, Median and Range.

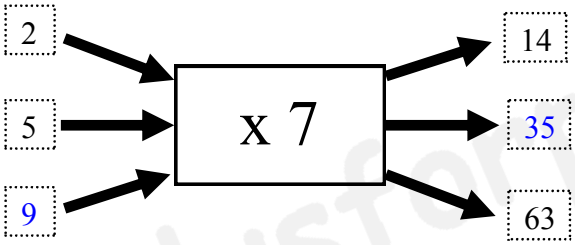
3, 4, 2, 1, 7, 2, 9

Mean = 4 (28 ÷ 7)
Mode = 2 (1,**2**,**2**,3,4,7,9)
Median = 3 (1,2,2,**3**,4,7,9)
Range = 8 (9 - 1)

1 mark for each correct answer

Question 13

Fill in the two missing numbers to complete this Function Machine



1 mark for each correct answer

Question 14

What Order of Rotational Symmetry does this shape have?

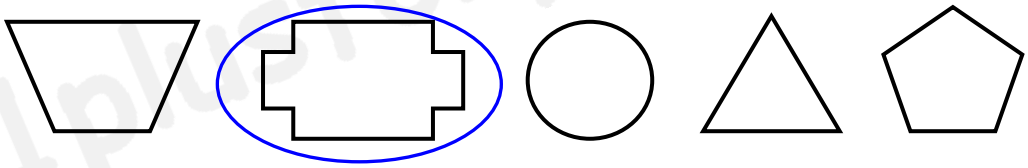


Order of rotational symmetry = 2

1 mark

Question 15

Which shape has 2 lines of symmetry?



1 mark

Total marks for this page _____ (maximum 11)

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Question 16

What is 19 + 18? 37
What is 52 - 14? 38
What is 117 + 203? 320
What is 425 - 137? 288

1 mark for each correct answer

Question 17

If a = 2, b = 3, c = 4, and d = 5 find the value of the following

a + b + c + d = 14
ab = 6 (2x3)
2a + 3c = 16 (2x2 plus 3x4)
$d^2 - c^2$ = 9 (5x5 minus 4x4)

1 mark for each correct answer

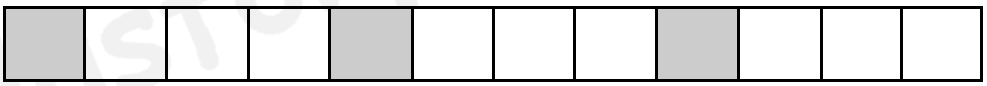
Question 18

Change these mixed numbers into decimal numbers. (1½ = 1.5)

2¼ = 2.25
5¾ = 5.75
11½ = 11.5

1 mark for each correct answer

Question 19



What is the proportion of shaded squares? 1/4 or 0.25 or 25%
What is the proportion of white squares? 3/4 or 0.75 or 75%
What is the ratio of shaded squares to white squares? 1:3

1 mark for each correct answer

Question 20

What is the value of each letter?

10 + a = 17 ..... a = 7
b - 15 = 8 ..... b = 23

1 mark for each correct answer

Total marks for this page _____ (maximum 16)

Total marks for all pages _____ (out of 60)