4.4 Fractions, Decimals and Percentages Depth: 30-minute Pack

NCETM National Curriculum (2014) Mathematics - KS2 Fractions, Decimals and Percentages (Depth) · Calculators not allowed · about 30 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Freya's weekly pocket money is £15. Her parents increase it by 1/5. She then spends 40% of her new pocket money on a book. How much money does she have left?

(4)

2 Which fraction is equivalent to 1/4?

A: 2/9 B: 3/6 C: 3/8 D: 2/8

Write the letter.

Answer: ___

(1)

3 Write these decimals in order, starting with the smallest.

8.05, 8.42, 8.18, 8.16

Answer: ___

(1)

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4 What is the value of the digit 3 in 1.324?

Answer: ___

(1)

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5 Work out 4 4/5 + 2 1/5.

Give your answer in its simplest form.

Answer: ___

(2)

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6 Work out 4/5 divided by 4. Give your answer in its simplest form.

(2)

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7 Decrease 48 kg by 75%.

Answer: ___

(2)

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8 Write <, > or = in the box.

2/5 [ ] 7/8

Answer: ___

(2)

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9 A sandwich costs £12.14 and a lolly costs £12.30. Yusuf pays with a £25 note.

How much change does Yusuf get?

Answer: £___

(2)

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10 53.78 - 0.40 =

Answer: ___

(1)

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11 Write these in order, smallest first.

9/20, 70%, 1/5

Answer: ___

(2)

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12 Convert each fraction to a decimal.

(a) 3/8 **(1)**

(b) 7/20 **(1)**

(c) 9/25 **(1)**

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13 4/5 = ___/25

Answer: ___

(1)

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Mark scheme · 4.4 Fractions, Decimals and Percentages Depth: 30-minute Pack

A correct answer earns full marks unless the question asks for working, a method, proof or explanation.

Question 1

1/5 of 15 = 3 found oe	M1
15 + 3 = 18 set up, dependent on the previous method mark	dM1
40% of 18 = 7.20 found, ft	M1
£10.80 cao	A1

Answer: **£10.80**

Question 2

D cao	B1

Answer: **D**

Question 3

8.05, 8.16, 8.18, 8.42 cao	B1

Answer: **8.05, 8.16, 8.18, 8.42**

Question 4

0.3 cao	B1

Answer: **0.3**

Question 5

converts to a common denominator	M1
7 cao	A1

Answer: **7**

Question 6

4/20 oe seen	M1
1/5 cao	A1

Answer: **1/5**

Question 7

percentage found	M1
12 kg cao	A1

Answer: **12 kg**

Question 8

common denominator seen	M1
< cao	A1

Answer: **<**

Question 9

24.44 seen	M1
£0.56 cao	A1

Answer: **£0.56**

Question 10

53.38 cao	B1

Answer: **53.38**

Question 11

converts to a common form	M1
1/5, 9/20, 70% cao	A1

Answer: **1/5, 9/20, 70%**

Question 12

(a) 0.375 cao	B1

(a) Answer: **0.375**

(b) 0.35 cao	B1

(b) Answer: **0.35**

(c) 0.36 cao	B1

(c) Answer: **0.36**

Question 13

20 cao	B1

Answer: **20**

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