4.9 Fractions: All Four Operations: 30-minute Pack

Calculators not allowed · about 30 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 4 2/8 + 5 6/8 =

Answer: ___

(2)

---

2 5/6 divided by 3 =

Answer: ___

(1)

---

3 2 2/8 + 5 1/2 =

Answer: ___

(2)

---

4 Work out 3 1/3 + 3 7/12.

Give your answer in its simplest form.

Answer: ___

(1)

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5 Reece has 170 stickers. Reece gives 6/10 of them to a friend.

How many stickers does Reece give to the friend?

Answer: ___

(2)

---

6 Work out 3 1/2 + 1 1/2.

Give your answer in its simplest form.

Answer: ___

(3)

---

7 1/3 of the badges in a jar is 9. How many badges are in the jar?

Answer: ___

(2)

---

8 Work out 3/6 of £108.

Answer: ___

(2)

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9 2/3 divided by 4 =

Answer: ___

(2)

---

10 2/3 of the pebbles in a jar is 20. How many pebbles are in the jar?

Answer: ___

(2)

---

11 Write 3 3/6 as an improper fraction.

Answer: ___

(2)

---

12 1/3 divided by 3 =

Answer: ___

(1)

---

13 Which is larger, 7/10 or 3/4? Explain your answer showing any working.

(2)

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Mark scheme · 4.9 Fractions: All Four Operations: 30-minute Pack

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

Question 1

method seen	M1
10 cao	A1

Answer: **10**

Question 2

5/18 cao	B1

Answer: **5/18**

Question 3

method seen	M1
7 3/4 or 31/4 cao	A1

Answer: **7 3/4**

Question 4

6 11/12 or 83/12 cao	B1

Answer: **6 11/12**

Question 5

170 divided by 10 = 17 seen	M1
102 cao	A1

Answer: **102**

Question 6

converts to a common denominator	M1
one correct fraction seen	M1
5 cao	A1

Answer: **5**

Question 7

9 x 3 seen	M1
27 cao	A1

Answer: **27**

Question 8

108 divided by 6 = 18 seen	M1
£54 cao	A1

Answer: **£54**

Question 9

method seen	M1
1/6 cao	A1

Answer: **1/6**

Question 10

20 / 2 = 10 seen	M1
30 cao	A1

Answer: **30**

Question 11

method seen	M1
21/6 cao	A1

Answer: **21/6**

Question 12

1/9 cao	B1

Answer: **1/9**

Question 13

correct method to compare, e.g. convert to common denominator 7/10 = 28/40, 3/4 = 30/40 or convert to decimals	M1
3/4 is larger with correct reason (30/40 > 28/40) cao	A1

Answer: **3/4 is larger**

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