4.7 Fractions: Comparing, Adding and Subtracting: 1-hour Pack

Calculators not allowed · about 60 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Calculate 1 1/2 + 2 1/3. Give your answer as a mixed number in its simplest form.

(2)

2 A class collects 7/10 kg of apples on Monday and 2/5 kg on Tuesday. How many kilograms did they collect altogether? Give your answer as a fraction.

(2)

3 Write 25/6 as a mixed number.

Answer: ___

(2)

4 Write a fraction equivalent to 4/6 in its simplest form.

(1)

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5 Work out 5/6 + 1/6.

Give your answer in its simplest form.

Answer: ___

(1)

---

6 Write 40/6 as a mixed number.

Answer: ___

(2)

---

7 Write 5/2 as a mixed number.

Answer: ___

(2)

---

8 Write 28/6 as a mixed number.

Answer: ___

(2)

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9 Work out 1/4 + 5/8.

Give your answer in its simplest form.

Answer: ___

(3)

---

10 Which fraction is equivalent to 5/12?

A: 21/48 B: 9/16 C: 20/49 D: 20/48

Write the letter.

Answer: ___

(1)

---

11 Work out 3/5 - 2/5.

Give your answer in its simplest form.

Answer: ___

(3)

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12 Write these fractions in order, starting with the largest.

2/4, 1/10, 4/10

Answer: ___

(2)

---

13 Work out 1/3 - 1/6.

Give your answer in its simplest form.

Answer: ___

(2)

---

14 Willow eats 1/12 of a pizza on Monday and 6/12 on Tuesday.

What fraction of the pizza is left? Give your answer in its simplest form.

Answer: ___

(2)

---

15 Write 19/4 as a mixed number.

Answer: ___

(2)

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16 Write these fractions in order, starting with the smallest.

1/2, 3/4, 1/4

Answer: ___

(1)

---

17 Work out 2 1/2 + 2 1/10.

Give your answer in its simplest form.

Answer: ___

(2)

---

18 Work out 5/12 - 1/6.

Give your answer in its simplest form.

Answer: ___

(3)

---

19 Work out 2 4/5 - 1 4/5.

Give your answer in its simplest form.

Answer: ___

(1)

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20 Work out 4 1/2 + 2 5/6.

Give your answer in its simplest form.

Answer: ___

(1)

---

21 Jacob colours 3/4 of a shape. Priya colours 1/8 of the same shape. How much of the shape is coloured altogether? Give your answer as a fraction in its simplest form.

(2)

---

22 Work out 3 1/2 + 2 1/4.

Give your answer in its simplest form.

Answer: ___

(2)

---

23 Uma has 200 counters. Uma gives 2/10 of them to a friend.

How many counters does Uma give to the friend?

Answer: ___

(2)

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24 Write <, > or = in the box.

3/5 [ ] 2/6

Answer: ___

(2)

---

25 Find 1/3 of 60.

(2)

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Mark scheme · 4.7 Fractions: Comparing, Adding and Subtracting: 1-hour Pack

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

Question 1

Convert to improper fractions or convert to common denominator (1 1/2 = 3/2, 2 1/3 = 7/3) and add	M1
3 5/6 cao	B1

Answer: **3 5/6**

Question 2

Convert 2/5 to 4/10 and add to 7/10	M1
11/10 or 1 1/10 cao	B1

Answer: **11/10**

Question 3

method seen	M1
4 1/6 cao	A1

Answer: **4 1/6**

Question 4

2/3 cao	B1

Answer: **2/3**

Question 5

1 cao	B1

Answer: **1**

Question 6

method seen	M1
6 4/6 cao	A1

Answer: **6 4/6**

Question 7

method seen	M1
2 1/2 cao	A1

Answer: **2 1/2**

Question 8

method seen	M1
4 4/6 cao	A1

Answer: **4 4/6**

Question 9

converts to a common denominator	M1
one correct fraction seen	M1
7/8 cao	A1

Answer: **7/8**

Question 10

D cao	B1

Answer: **D**

Question 11

converts to a common denominator	M1
one correct fraction seen	M1
1/5 cao	A1

Answer: **1/5**

Question 12

converts to a common denominator or decimals	M1
2/4, 4/10, 1/10 cao	A1

Answer: **2/4, 4/10, 1/10**

Question 13

converts to a common denominator	M1
1/6 cao	A1

Answer: **1/6**

Question 14

7/12 eaten seen	M1
5/12 cao	A1

Answer: **5/12**

Question 15

method seen	M1
4 3/4 cao	A1

Answer: **4 3/4**

Question 16

1/4, 1/2, 3/4 cao	B1

Answer: **1/4, 1/2, 3/4**

Question 17

converts to a common denominator	M1
4 3/5 or 23/5 cao	A1

Answer: **4 3/5**

Question 18

converts to a common denominator	M1
one correct fraction seen	M1
1/4 cao	A1

Answer: **1/4**

Question 19

1 cao	B1

Answer: **1**

Question 20

7 1/3 or 22/3 cao	B1

Answer: **7 1/3**

Question 21

Find common denominator 8 and convert 3/4 to 6/8 or equivalent method	M1
7/8 cao	B1

Answer: **7/8**

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Question 22

converts to a common denominator **M1**

5 3/4 or 23/4 cao **A1**

Answer: **5 3/4**

Question 23

200 divided by 10 = 20 seen **M1**

40 cao **A1**

Answer: **40**

Question 24

common denominator seen **M1**

> cao **A1**

Answer: **>**

Question 25

Divides 60 by 3 or shows method to find a third **M1**

20 cao **B1**

Answer: **20**

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