3.1 Multiplication and Division: 30-minute Pack

STA NC-KS1-MATHS-STA · Calculators not allowed · about 30 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Aisha saves 10p coins. Altogether she has saved 90p. Work out how many 10p coins she has.

(2)

2 Sophie buys 3 packs of pencils. Each pack costs 5p and contains 2 pencils. Work out how much Sophie spends altogether, and work out how many pencils she buys in total.

(3)

3 Freya has 30 flowers to plant in equal rows. Work out how many rows there would be if she plants them in rows of 5, and how many rows there would be if she plants them in rows of 10. Then state which arrangement uses fewer rows, and explain how you know without counting the rows again.

(3)

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4 Complete the number sequence by writing the two missing numbers:
5, 10, ___, 20, 25, ___.

(2)

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5 There are 2 hens. Count in 2s to help you. How many legs are there altogether?

Answer: ___

(1)

---

6 10 x ___ = 70

Answer: ___

(1)

---

7 10 x ___ = 90

Answer: ___

(1)

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8 There are 4 bags with 10 apples in each bag. How many apples are there altogether?

Answer: ___

(1)

---

9 9 + 10 =

Hint: double 9 and add 1.

Answer: ___

(1)

---

10 There are 4 rows of dots. Each row has 10 dots.

Write a multiplication to find the total, then work out the answer.

Answer: ___

(1)

---

11 There are 4 spiders. How many legs are there altogether?

Answer: ___

(1)

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12 5 x ___ = 50

Answer: ___

(1)

---

13 Write the next three numbers when counting in 10s, starting after 40.

(1)

---

14 There are 2 plates with 10 crayons in each plate. How many crayons are there altogether?

Answer: ___

(1)

---

15 10 x ___ = 110

Answer: ___

(1)

---

16 ___ x 10 = 70

Answer: ___

(1)

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Mark scheme · 3.1 Multiplication and Division: 30-minute Pack

Question 1

90 / 10 oe, or counting up in 10s to 90	M1
9 cao	A1

Answer: **9 coins**

Question 2

3 * 5 oe	M1
15p cao (amount spent)	A1
6 cao (total pencils, 3 * 2)	B1

Answer: **15p spent; 6 pencils in total**

Question 3

6 cao (rows of 5, 30 / 5)	B1
3 cao (rows of 10, 30 / 10)	B1
rows of 10 identified as fewer (3 < 6), with a valid reason that a bigger row size means fewer rows are needed for the same total, oe, ft	B1

Answer: **6 rows (rows of 5); 3 rows (rows of 10); rows of 10 uses fewer rows.**

Question 4

first missing number = 15	B1
second missing number = 30	B1

Answer: **15 and 30**

Question 5

4 cao	B1

Answer: **4**

Question 6

7 cao	B1

Answer: **7**

Question 7

9 cao	B1

Answer: **9**

Question 8

40 cao	B1

Answer: **40**

Question 9

19 cao	B1

Answer: **19**

Question 10

4 x 10 = 40 cao	B1

Answer: **4 x 10 = 40**

Question 11

32 cao	B1

Answer: **32**

Question 12

10 cao	B1

Answer: **10**

Question 13

50, 60 and 70 all correct cao	B1

Answer: **50, 60, 70**

Question 14

20 cao	B1

Answer: **20**

Question 15

11 cao	B1

Answer: **11**

Question 16

7 cao	B1

Answer: **7**

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