Division Probl with Remainders
Challenge Cards
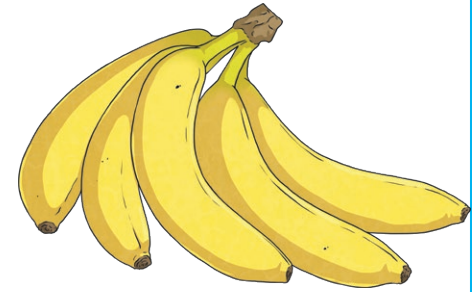
---

1. There are 12 children at breakfast club. The teacher has 28 bananas to give to them.

How many whole bananas will each child get?

---

2. A football coach shares 22 oranges between 7 players. How many oranges will each player get?
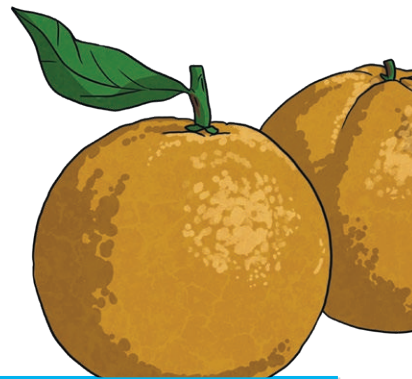
Which equation shows the correct answer?

$22 \div 7 = 3$ $22 \div 7 = 3\ r\ 1$

$22 \div 7 = 3\ r\ 2$ $22 \div 7 = 3\ r\ 3$

---

3. It takes Polly 4 minutes to paint someone's face at the summer fair. There is a long queue.
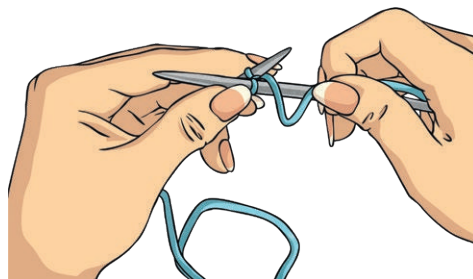
How many faces can she paint in 25 minutes?

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

4. It takes 8 minutes for Alex to knit a small square for her patchwork blanket.

How many squares can she knit in 50 minutes?

5. Which of these division calculations have the answer of 6 r 2?

40 ÷ 5 =   42 ÷ 4 =

38 ÷ 6 =   22 ÷ 3=

6. Raj writes 46 ÷ 5 = 8 r 6

Explain what mistake Raj has made and write the correct answer.

7. A teacher shares 47 lollipops between a group of 9 students. How many lollipops will each student get?

Which equation shows the correct answer?

47 ÷ 9= 5 r 1   47 ÷ 9 = 5

47 ÷ 9 = 5 r 2   47 ÷ 9 = 6
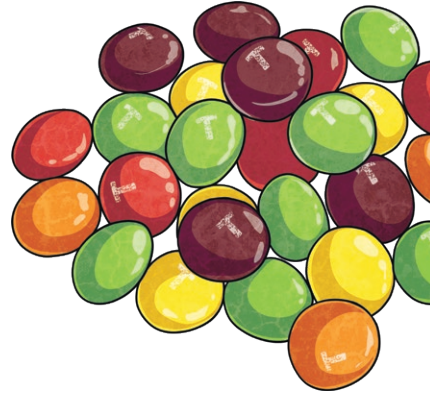
8. Olivia has 75 sweets to share equally into party bags. She has 11 party bags.

How many sweets will there be in each bag? How many will be left over?

9. Which of these division calculations have the answer of 5 r 2?

74 ÷ 12 =

75 ÷ 12 =

62 ÷ 12 =

65 ÷ 12 =

10. It takes Matthew and his dog 9 minutes to walk around the field.

How many times can he walk around the field in 1 hour?

How many minutes will he have left to walk home?

11. Lauren has bought 26 daffodil bulbs from the garden centre. She needs to divide them between her 3 new plant pots. How many bulbs will she have left over?

Who has answered the question correctly?

Charlie says she will have 5 bulbs left over.

Mei says she will have 2 bulbs left over.

Division Problems with Remainders Challenge cards

Answers

---

1. 28 ÷ 12 = 2 r 4

   They will each get 2 whole bananas.

2. 22 ÷ 7 = 3 r 1

3. 25 ÷ 4 = 6 r 1

   She will be able to paint 6 faces.

---

4. 50 ÷ 8 = 6 r 2

   Alex will be able to knit 6 squares.

5. 38 ÷ 6 = 6 r 2

6. Raj writes 46 ÷ 5 = 8 r 6. He has calculated 5 x 8 = 40 which then leaves 6. He should have found that 5 x 9=45 which then leaves remainder 1.

7. 47 ÷ 9 = 5 r 2

---

8. 75 ÷ 11 = 6 r 9. There will be 6 sweets in a bag and 9 sweets left.

9. 62 ÷ 12 = 5 r 2

10. There are 60 minutes in an hour.

    60 ÷ 9 = 6 r 6. He can walk round 6 times. He will have 6 minutes to get back home.

11. 26 ÷ 3 = 8 r 2. Mei has answered correctly.