Chapter 10: Mental Math Page 1

LESSON

1

1. Round each decimal number to the nearest whole number.

   a) 3.6   **c)** 312.5

   b) 17.2   **d)** 0.7

2. Write each of the following in decimal form.

   a) 30 tenths   **c)** 21 hundredths   **e)** 2605 thousandths

   b) 136 hundredths   **d)** 154 thousandths

3. Determine the missing number.

   a) $6 \times \underline{\quad} = 42$ **c)** $\underline{\quad} \div 5 = 9$ **e)** $10 \times \underline{\quad} = 20\ 000$

   b) $32 \div \underline{\quad} = 8$ **d)** $\underline{\quad} \times 7 = 56$ **f)** $\underline{\quad} \div 1000 = 75$

4. Use mental math to solve each problem.

   a) John and his two brothers wanted to buy a radio-controlled robot for $78.00. How much money will each of the three brothers have to spend to buy the robot?

   b) Kim and Kent bought a box of apples and divided the cost equally. The box of apples cost $9. How much did each person have to pay?

   c) A band teacher decided to teach her students how to play the recorder. If each recorder costs $4.00 and she can spend $90.00, how many recorders can she buy?

   d) Darryl pledges $2.50 for each kilometre Terry walks in the Annual Walkathon. Darryl gives Terry $25 at the end of the Walkathon. How many kilometres did Terry walk?

2

5. Use mental math to solve each problem.

   a) A package of ten energy bars costs $26.00. What is the cost of each energy bar?

   b) In 100 steps, Alex walked 150 m. How long is each of his steps?

   c) Ten kilograms of cheese cost $45.00. What is the cost of each kilogram of cheese?

   d) What is the length of each part when a 5 m pole is cut into 10 equal parts?

   e) A 385 mL carton of juice is poured equally into 10 cups. How many millilitres of juice are in each cup?

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LESSON

3   **6.** Calculate each quotient.

   a) 2700 ÷ 9   **c)** 7)‾3500   **e)** 5555 ÷ 5

   b) 480 ÷ 8   **d)** 10)‾6200

7. The Junior Relay Team ran a 1500-m relay race at the Regional Track Meet. How far did each of the four members of the team run?

8. A bell rings every 20 min. How many times will it ring in 5 h?

4   **9.** Calculate each product.

   a) 100×24 **c)** 265×10

   b) 37×1000 **d)** $10\,000 \times 8463$

10. Calculate each quotient.

   a) 2500 ÷ 100   **c)** 86 000 ÷ 10

   b) 1000)‾190 000   **d)** 125 000 000 ÷ 10 000

5   **11.** Determine the missing value.

   a) 15 + 15 + ____ + 25 = 80

   b) 100 − ____ + 30 − 20 = 60

   c) 5 × ____ + 45 = 90

   d) 2000 ÷ ____ − 100 = 100

   e) 1000 × 200 − ____ = 0

   f) ____ ÷ 100 + 25 = 150