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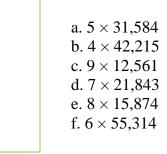## 5.NBT.B.5 Multi-Digit Multiplication Word Problems

5.NBT.B.5: Fluently multiply multi-digit whole numbers using the standard algorithm.

1. Find the product.

   a. $3 \times 6,520$
   b. $2 \times 5,216$
   c. $5 \times 6,759$
   d. $4 \times 3,657$
   e. $7 \times 8,131$
   f. $8 \times 6,448$

   Answers:

2. Find the product.

   a. $5 \times 31,584$
   b. $4 \times 42,215$
   c. $9 \times 12,561$
   d. $7 \times 21,843$
   e. $8 \times 15,874$
   f. $6 \times 55,314$

   Answers:

3. The price of a new laptop is $875. A buyer can either pay the price in full at the time of buying or pay 6 monthly installments of $165. How much money does a buyer save by paying the full price at the time of buying the new laptop?

   Answer:

4. A company needs to send 5 engineers on a field site outside the town. The cost of a cheap round-trip train ticket is $68 while a first-class train ticket is $187. How much money will the company save if it decides to buy cheap round-trip train tickets instead of first-class train tickets for their engineers?

   Answer:

5. A pizza parlor sold 12,361 Hawaiian boxes and 4,239 Pepperoni boxes in a week. If the price of a box of Hawaiian and Pepperoni is $4 and $8 respectively, how much money did the pizza parlor collect by selling all Hawaiian pizzas and Pepperoni pizzas?

   Answer:

6. 5 people are traveling in a car. Each person weighs about 187 pounds. Each of them has luggage that weighs about 54 pounds. How much weight do all the people and luggage in the car add to the weight of the car?

   Answer:

7. An accessory shop sells customized rings. The price of each ring is $6 and an extra $1 is charged for engraving a word on the ring. How much money did the shop get by selling 6,325 customized rings with engraved names on them?

   Answer:

8. What is the total amount of weight that 8 ships can carry if each ship can carry 42,402 kilograms of weight?
   A. 393,216 kilograms   C. 333,216 kilograms
   B. 323,216 kilograms   D. 339,216 kilograms

   Answer:

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5.NBT.B.5 Multi-Digit Multiplication Word Problems

Answer Key

5.NBT.B.5: Fluently multiply multi-digit whole numbers using the standard algorithm.

1. Find the product.

	Answers:
a. $3 \times 6{,}520$	19,560
b. $2 \times 5{,}216$	10,432
c. $5 \times 6{,}759$	33,795
d. $4 \times 3{,}657$	14,628
e. $7 \times 8{,}131$	56,917
f. $8 \times 6{,}448$	51,584

2. Find the product.

	Answers:
a. $5 \times 31{,}584$	157,920
b. $4 \times 42{,}215$	168,860
c. $9 \times 12{,}561$	113,049
d. $7 \times 21{,}843$	152,901
e. $8 \times 15{,}874$	126,992
f. $6 \times 55{,}314$	331,884

3. The price of a new laptop is $875. A buyer can either pay the price in full at the time of buying or pay 6 monthly installments of $165. How much money does a buyer save by paying the full price at the time of buying the new laptop?

Answer:
$115

4. A company needs to send 5 engineers on a field site outside the town. The cost of a cheap round-trip train ticket is $68 while a first-class train ticket is $187. How much money will the company save if it decides to buy cheap round-trip train tickets instead of first-class train tickets for their engineers?

Answer:
$595

5. A pizza parlor sold 12,361 Hawaiian boxes and 4,239 Pepperoni boxes in a week. If the price of a box of Hawaiian and Pepperoni is $4 and $8 respectively, how much money did the pizza parlor collect by selling all Hawaiian pizzas and Pepperoni pizzas?

Answer:
$83,356

6. 5 people are traveling in a car. Each person weighs about 187 pounds. Each of them has luggage that weighs about 54 pounds. How much weight do all the people and luggage in the car add to the weight of the car?

Answer:
1,205 pounds

7. An accessory shop sells customized rings. The price of each ring is $6 and an extra $1 is charged for engraving a word on the ring. How much money did the shop get by selling 6,325 customized rings with engraved names on them?

Answer:
$44,275

8. What is the total amount of weight that 8 ships can carry if each ship can carry 42,402 kilograms of weight?
   A. 393,216 kilograms   C. 333,216 kilograms
   B. 323,216 kilograms   D. 339,216 kilograms

Answer:
D. 339,216 kilograms